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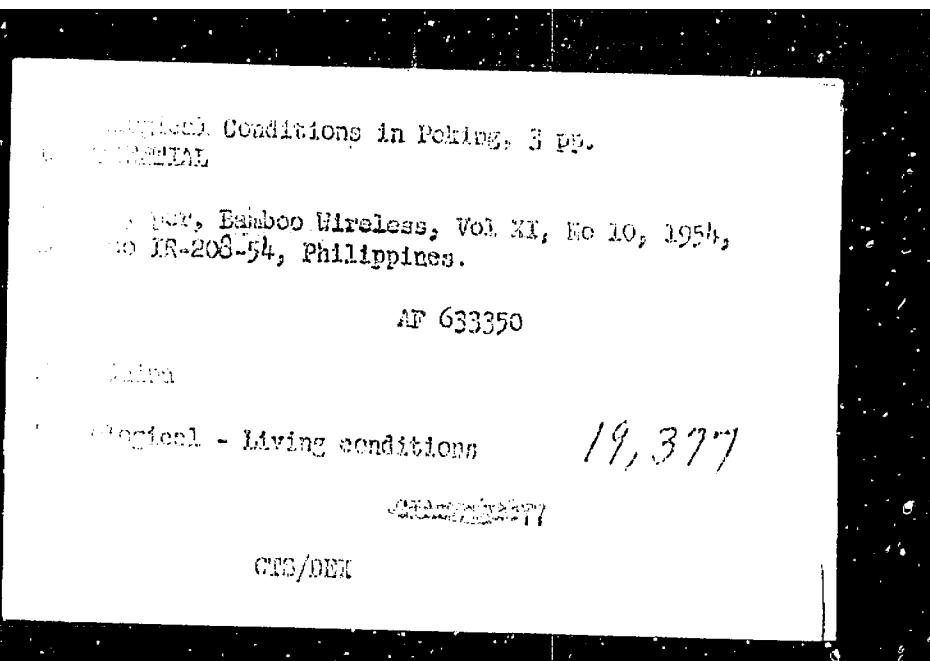
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- II. Vanbreuseghem, R.
- III. Buu-Hoi, N. P.

Trans. of Biochemical Pharmacology (France) 1962,  
v. 11, p. 813-822. (Abstract available)

DESCRIPTORS: \*Fungicides, \*Skin, Therapy, Yeasts,  
Guinea pigs, Chlorides, Fluorides, Thio radicals,  
Phenyl radicals, Urea derivatives.

The fungistatic action of 3'5-dichloro-4'-fluorothiocarbonnile was studied in vitro and in vivo. In vitro, dermatophytes are inhibited by a dilution from 1: 100,000 to 1: 1,000,000. The yeasts Candida albicans, C. tropicalis and Cryptococcus neoformans as (Biological Sciences--Pharmacology, TT, v. 11, no. 4)  
(over)

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well as Aspergillus fumigatus are almost insensitive. The sensitivity of Phialophora pedrosoi is similar to that of the dermatophytes whereas the histoplasma, H. capsulatum and H. Bubalii, are inhibited up to a dilution of 1: 1,000,000. 3,5-dichloro-4'-fluorothiocarbamate reduces the duration of the experimental infection of guinea pigs by Microsporon canis to 22-25 days whereas in untreated guinea pigs infected in the same manner, the infection persists for about 2 months. Comparative trials were conducted with griseofulvin and 2-dimethylamino-6-beta-diethyl-aminoethoxybenzothiazole. The toxicity of the product is very low for white mice and rats. In addition to its fungistatic capacity, 3,5-dichloro-4'-fluorothiocarbamate exerts an antiinflammatory and anticongestive action on the skin of guinea pigs and man. Some attempts at treating human dermatophytoses of the skin yielded satisfactory results. (Author)

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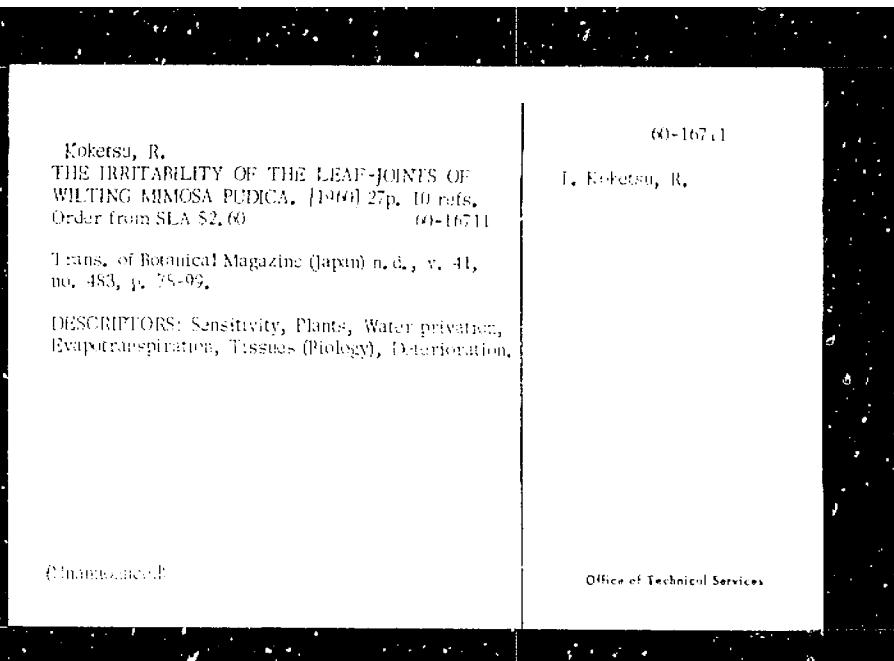
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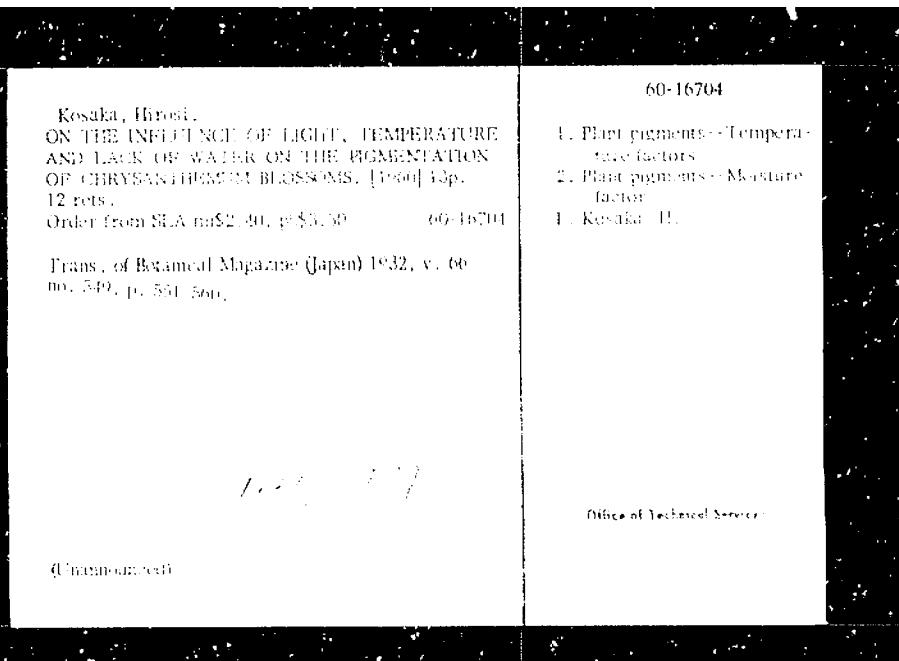
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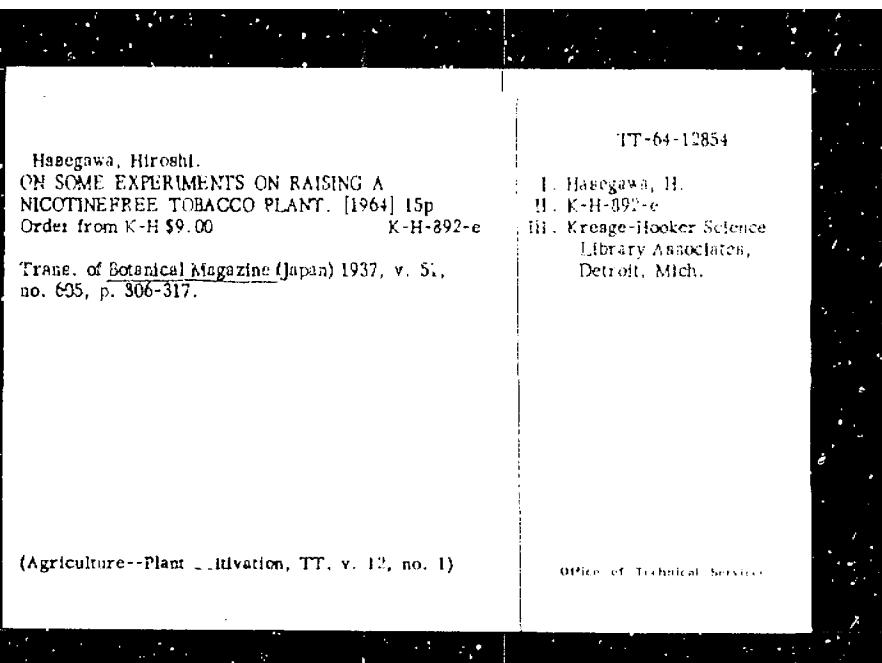
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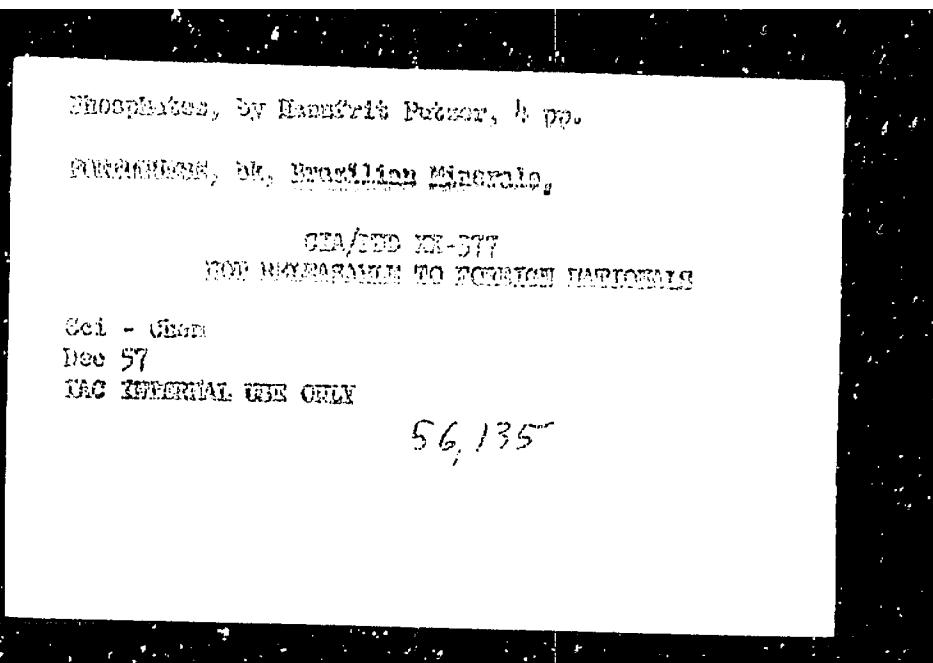
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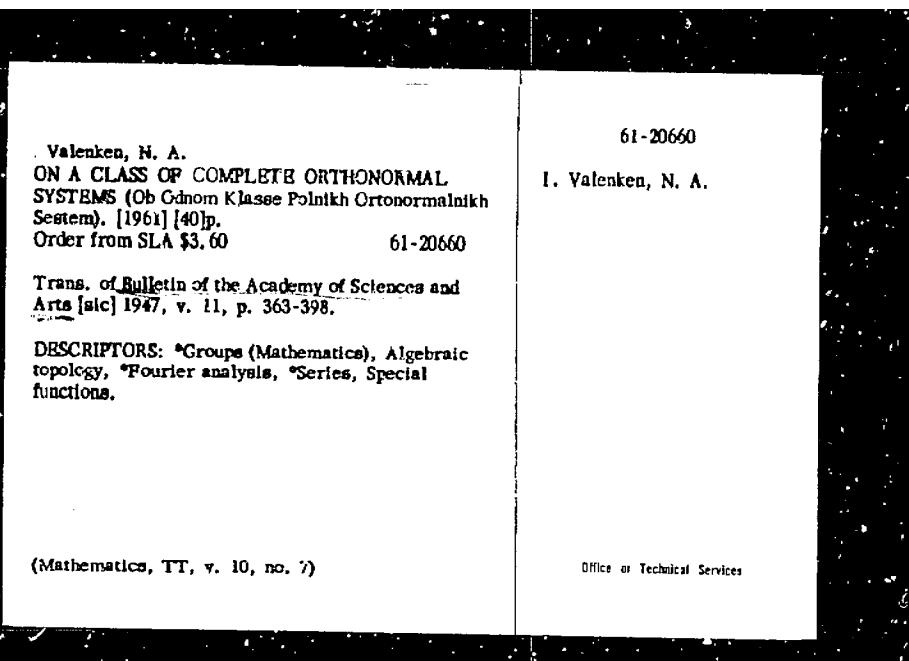
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